

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number  
**WO 2005/062818 A3**

(51) International Patent Classification<sup>7</sup>: **A61K 9/00**,  
A61F 2/00

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW.

(21) International Application Number:  
PCT/US2004/042660

(22) International Filing Date:  
17 December 2004 (17.12.2004)

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data:  
011987 19 December 2003 (19.12.2003) MX

Published:

- with international search report
- with amended claims

(71) Applicant (for all designated States except US): OSIO  
CORP. [US/US]; 755 Boyston Street, #401, Boston, Mass-  
achusetts 02116 (US).

(88) Date of publication of the international search report:  
13 October 2005

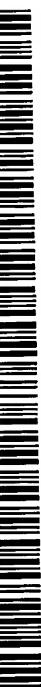
(71) Applicant (for US only): OSIO SANCHO, Alberto  
[MX/MX]; Prolongacion Bosques de Reforma, #1477  
T-Ph2, Colonia Bosques de las Lomas, Mexico, D.F.  
11700, Mexico (MX).

Date of publication of the amended claims: 24 November 2005

(74) Agent: BAKER, C. Hunter; Choate, Hall & Stewart,  
Exchange Place, 53 State Street, Boston, Massachusetts  
02109 (US).

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,



**WO 2005/062818 A3**

(54) Title: TREATMENT OF OPHTHALMIC CONDITIONS

(57) Abstract: Ophthalmic conditions such as presbyopia, myopia, and astigmatism can be corrected by the use of a molding contact lens in combination with a pharmaceutical composition suitable for delivery to the eye. The molding contact lenses are preferably commercially available and are not specifically designed for orthokeratology. The agents in the pharmaceutical compositions such as hyaluronase allow the cornea of the eye to be molded in order to correct the refractive error of the eye. The contact lenses and the pharmaceutical composition induce a change in the radius of curvature of the anterior surface of the cornea, thereby correcting the refractive error of the eye. One advantage of the inventive technique is that the patient with his or her own individual visual needs guides the treatment until the patient near and far visual needs are met. The present invention also provides for kits, which contain molding contact lenses, pharmaceutical composition suitable for delivery to the eye, and instructions, useful in the inventive system.